

Ritesh Agarwal

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Summary

A highly motivated and results-oriented professional with a proven track record of success in Software Development and Engineering. Seeking a challenging role where I can leverage my skills and experience of 15+ years in 'C' and 'Software Development Engineering' to contribute in a dynamic organization.

Experience

Principal Software Development Engineer	Apr 2024 - Present
Zscaler	Pune, India
<ul style="list-style-type: none">Collaborated with cross-functional teams to define project requirements and deliver multiple high-quality/impact customer-focused features, resulting in a measureable increase of Net Annual Recurring Revenue(NARR).Expedited resolution of critical blocker issues across development, release and production (mainline) branches, maintaining continuous delivery pipelines and ensuring production stability.Streamlined weekly reporting processes by gathering and summarizing team status, enhancing visibility into project health for senior management and cross-functional partners.Spearheaded engineering initiatives to enhance database component reliability by reducing Recovery Point Objectives (RPO) and Recovery Time Objectives (RTO) through in-depth analysis and benchmarking of industry-standard backup and restore methods.Acted as the on-call development engineer for the India Time Zone (IST), providing frontline support for production systems and resolving critical alerts and incidents on a rotational basis.	
<h3>Skills</h3> <ul style="list-style-type: none">C, PostgreSQL, Redis, FreeBSD, RAFT, Perl, Shell Scripting, Python, Gdb, Data Structures, Algorithms, Gemini/ChatGPT GenAI, PagerDuty	
Senior Principal Software Engineer II	2019 - Apr 2024
Pubmatic	Pune, India
<ul style="list-style-type: none">Led the development of a new feature that resulted in a 15% increase in user engagement.Mentored junior engineers and conducted code reviews to ensure code quality and adherence to best practices.Collaborated with cross-functional teams to define project requirements and deliver high-quality software solutions.	
Software Engineer	Jun 2020 - Oct 2022
Microsoft	Redmond, WA
<ul style="list-style-type: none">Developed and maintained software for [Product/Team].Contributed to the design and implementation of new features.Fixed bugs and improved the performance of existing code.	

Education

Stanford University	Sept 2016 - Jun 2020
Master of Science in Computer Science	Stanford, CA
<ul style="list-style-type: none">GPA: 3.8/4.0Relevant Coursework: Algorithms, Data Structures, Artificial Intelligence, Machine Learning	
<h3>Projects</h3>	

Personal Website HTML, CSS, JavaScript, React	Oct 2023 - Present
<ul style="list-style-type: none">Developed a personal website to showcase my portfolio and skills.Implemented a responsive design to ensure optimal viewing on all devices.	

Skills

Languages: Python, Java, C++, JavaScript
Frameworks: React, Node.js, Django, Flask
Databases: MySQL, PostgreSQL, MongoDB
Tools: Git, Docker, Kubernetes, Jenkins